

Permit #: 20045  
County: Atchafalaya  
CONFIDENTIAL UNTIL: \_\_\_\_\_

Date Issued: 3-23-90  
Date Cancelled: \_\_\_\_\_  
Date Plugged: \_\_\_\_\_

COMMENTS:

OGC FORMS	Date Received
1	
2	
3	3-15-90
3i	
4	
4i	flat
5	10-10-90
6	
7	
8	
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs			
Samples	chip core		
Analyses	water		
	core		
Additional Submitted Data:			

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐  
 for an oil well ☒ or gas well ☐

NAME OF COMPANY OR OPERATOR James K. Anderson, Inc. DATE 3/13/90  
13760 Noel Road, Suite 325, Dallas, Texas 75240  
 Address City State

DESCRIPTION OF WELL AND LEASE			
Name of lease <u>Fletcher</u>	Well number <u>4</u>	Elevation (ground) <u>882.4</u>	
WELL LOCATION (give footage from section lines) <u>3140</u> ft. from (N) (S) sec. line <u>820</u> ft. from (E) (W) sec. line			
WELL LOCATION Section <u>15</u> Township <u>63</u> Range <u>40</u>		County <u>Atchison</u>	
Nearest distance from proposed location to property or lease line: <u>500</u> feet		Distance from proposed location to nearest drilling, completed or applied for well on the same lease: <u>320</u> feet	
Proposed depth <u>3500'</u>	Drilling contractor name & address <u>Rains &amp; Williamson Oil Co.</u> <u>435 Page Court, Wichita, KS 67202</u>	Rotary or Cable Tools <u>Rotary</u>	Approx. date work will start <u>March 26, 1990</u>
Number of acres in lease <u>124 Acres</u>		Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>1</u> Number of abandoned wells on lease: <u>1</u>	
If lease, purchased with one or more wells drilled, from whom purchased: Name <u>No</u> Address _____		No. of Wells: producing _____ injection _____ inactive _____ abandoned _____	
Status of Bond Single Well <input type="checkbox"/> Amt. _____		Blanket Bond <input checked="" type="checkbox"/> Amt. <u>\$20,000.00</u> <input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED	
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.  <u>Our #1 Fletcher is currently producing from the Viola (Ferndale) at a depth of 2781' to 2786'. This well will not be completed in that reservoir.</u>			
Proposed casing program:		Approved casing - To be filled in by State Geologist	
amt.	size	wt./ft.	cem.
<u>375'</u>	<u>8 5/8"</u>	<u>23.0#</u>	<u>200 sx.</u>
<u>3500'</u>	<u>5 1/2"</u>	<u>14.0#</u>	<u>300 sx.</u>
I, the undersigned, state that I am the <u>President</u> of the <u>James K. Anderson, Inc.</u> (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.		Signature <u>James K. Anderson</u>	

Permit Number 20045Approval Date 3-23-90Approved By James K. Anderson

Note: This Permit not transferable to any other person or to any other location.

Remit two copies to: Missouri Oil and Gas Council  
 P.O. Box 250 Rolla, Mo. 65401  
 One will be returned for driller's signature

☒ Drillers log required☒ E-log required if run☒ Core analysis required if run☒ Drill stem test info. required if run☒ Samples required☐ Samples not required

WATER SAMPLES REQUIRED @ \_\_\_\_\_

MO Oil & Gas Council  
 Economic Geology

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

3/12/82



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL  
**WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG**

Form OGC-5

☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ INJECTION ☒ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☒ OIL ☐ GAS ☐ DRY

OWNER JAMES K. ANDERSON ADDRESS 13760 Noel Rd., Ste. 325, Dallas, TX 75240

LEASE NAME FLETCHER WELL NUMBER 4

LOCATION 3140'FNL & 820'FWL of Sec. SEC. TWP. AND RANGE OR BLOCK AND SURVEY Sec. 15, tshp. 63, Range 40

COUNTY Atchison PERMIT NUMBER (OGC-3 OR OGC-31) 20045

DATE SPUNDED 4-11-90 DATE TOTAL DEPTH REACHED 4-20-90 DATE COMPLETED READY TO PRODUCE OR INJECT 8-7-90 ELEVATION (DF, RKR, RT, OR Gr.) FEET 882.4'Gr. ELEVATION OF CASING HD. FLANGE FEET 881

TOTAL DEPTH 3290 PLUG BACK TOTAL DEPTH

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION 2794' - 2801' ROTARY TOOLS USED (INTERVAL) 0 TO 3290' CABLE TOOLS USED (INTERVAL) none

WAS THIS WELL DIRECTIONALLY DRILLED? no WAS DIRECTIONAL SURVEY MADE? no WAS COPY OF DIRECTIONAL SURVEY FILED? no DATE FILED -

TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) Dual Induction, Dual Compensated Porosity, Microresistivity DATE FILED -

**CASING RECORD**

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
Surface	12 1/4"	8 5/8"	23#	336'	250 sks	-
Prod.	7 7/8"	4 1/2"	10.5#	2906'	250 sks	-

**TUBING RECORD**

**LINER RECORD**

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
2 3/8 IN.	2792 FEET	- FEET	- INCH	- FEET	- FEET	-	- FEET

**PERFORATION RECORD**

**ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD**

NUMBER PER FOOT	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
2 shots/ft	5/8"Jet	2794 - 2801	300 gals 7 1/2% MCA	2794 - 2801
			500 gals 7 1/2% NEFE	2794 - 2801
			1500 gals 15% NEFE	2794 - 2801

**INITIAL PRODUCTION**

DATE OF FIRST PRODUCTION OR INJECTION Aug. 23, 1990 PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP. Pumping, rod pump - 1 1/2"

DATE OF TEST 8-30-90 HOURS TESTED 24 CHOKE SIZE - OIL PRODUCED DURING TEST 10 bbls. GAS PRODUCED DURING TEST TSTM WATER PRODUCED DURING TEST 40 bbls. OIL GRAVITY 34 API (CORR.)

TUBING PRESSURE - CASING PRESSURE none CAL'D RATE OF PRODUCTION PER 24 HOURS 10 bbls. OIL 10 bbls. GAS - MCF WATER 40 bbls. GAS OIL RATIO

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)

vented

METHOD OF DISPOSAL OF MUD PIT CONTENTS

scatter and cover

MO Oil & Gas Council

**CERTIFICATE:** I, THE UNDERSIGNED, STATE THAT I AM THE president Economic Geology OF THE

COMPANY, AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT, AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

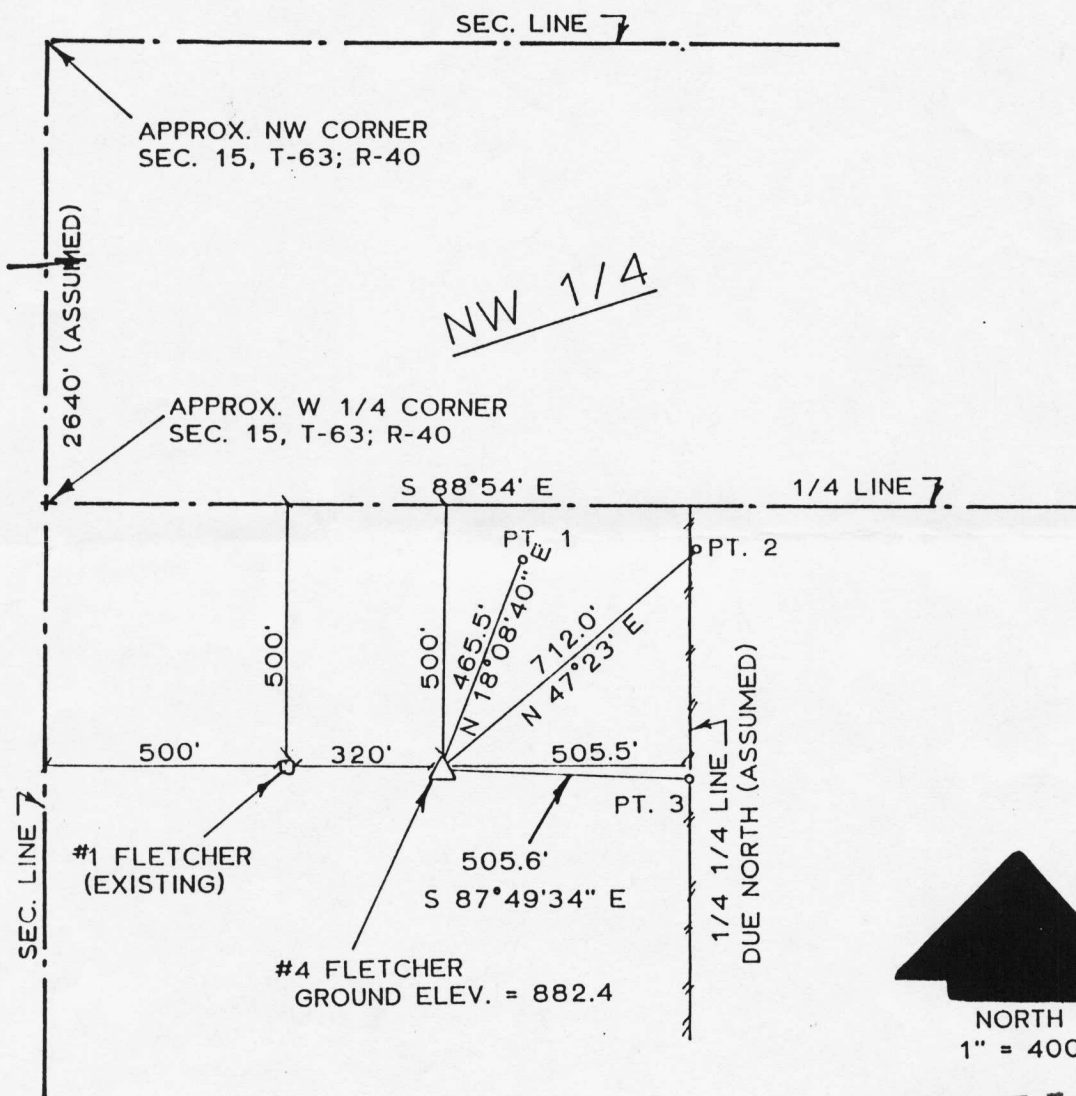
DATE September 7, 1990 SIGNATURE James K. Anderson

**INSTRUCTIONS:** ATTACH DRILLERS LOG OR OTHER ACCEPTABLE LOG OF WELL.

\* SHOW ALL IMPORTANT ZONES OF POROSITY, DETAIL OF ALL CORES, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

**DETAIL OF FORMATIONS PENETRATED**

FORMATION	TOP	BOTTOM	DESCRIPTION (SEE * ABOVE)
Miss	1750'	2190'	
Hunton	2190	2762	DST #1 2191' - 2205' (Hunton) Rec 812' drlg mud, 1015' muddy wtr w tr. oil, 120' wtr.
Maquoketa	2762	2791	I hp 1046#, FHP 1005#, IFP 432 -760#/15 min., FFP760 -862/30 min. ISIP 882#/30 min,
Viola	2791	3060	FSIP 903#/30 min.
Simpson	3060	3187	Cored Viola Trenton 2850' to 2900', Rec. 50' VRY dense grey dolomite - no show of oil.
Arbuckle	3187	3290	This core will be donated to the State of Missouri for study. DST #2 - 2847' - 2900' (Viola Trenton) Rec. 1345' muddy wtr - no show oil (cl -1750 PPM)
O Age		T.D.	IHP & FHP - 1364#, IFP 62 - 329#/30 min, FFP 329 - 647#/60 min, ISIP 1149#/30 min, FSIP 1159/60 min.
			This well was originally drilled to possibly gain production in the Viola Trenton, Simpson, or Arbuckle. We crossed to the down thrown side of a small transverse fault and found only low (structurally) and dense sediments in the above. We completed the well in Viola Ferndale because we felt that it was in a separate reservoir from the #1 Fletcher. The reasons for this thinking are that the #4 is only 320' east of the #1 but the #4 is structurally 11' low to the #1 and the dolomite itself is thicker and considerably tighter than found in the #1. The throw of the fault, thought to be separating the two wells, increases with depth.



**RECEIVED**  
MAR 15 1990

MO Oil & Gas Council  
Economic Geology

Ties

1. Nail/Cap in power pole.
2. Nail/Cap in power pole.
3. Nail/Cap in hedge post.

LEASE NAME #4 Fletcher COUNTY Atchison

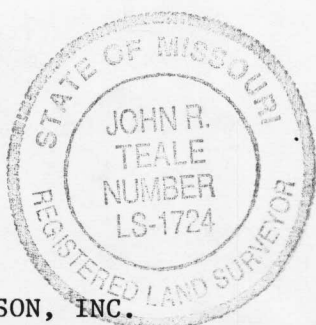
LOCATION: 3140 from North section line and 820' from West section line, Section 15; Township 63; Range 40, Atchison County, Missouri.

REMARKS : Ground elevations at well is 882.4. Elevations are in reference to USGS vertical datum.

I FURTHER CERTIFY that the above plat and survey were made by me or under my direct personal supervision and that I am a duly Registered Land Surveyor under the laws of the State of Missouri.

WITNESS hand and seal this Fifth (5th) day of March, 1990.

John Teale, L.S.  
Missouri L.S. 1724



REPORT FOR:  
JAMES K. ANDERSON, INC.  
DALLAS, TEXAS



**MIDLAND ENGINEERING, INC.**  
Civil Engineers • Surveyors  
501 North Market Maryville, MO 64468  
4730 Frederick St Joseph, MO 64506